BRUHAT BANGALORE MAHANAGARA PALIKE

PWD FORM - 45 (WORK SLIP)

Name of Work: Emergncy Works and Maintenance of Ward in Ward No. 10 (Doddabommasandra), Vidyaranyapura Sub Division.

Name of Agency: Sri R. Narayanaswamy, Contractor, # 35/2, Srinivasanilaya Oppt, Jawar School, Geddalahalli, RMV 2nd Stage, Bangalore - 94.

Estimated Cost: 20,00,000.00

D.R. No.

Tender Amount : Rs. 19,29,020.50 Lakhs

Work Order No. EE/BTP/BBMP/TND/09(13899)/WO/332/2014-15 Dated: 26.02.2015.

SL. No.	Description	Unit	Qty. as per Sanctioned Estimate			Qty. as per Tender			Actual executed Qty.	Qty. as per Actuals upto 125%			Qty. as per Actuals above 125%			Total Executed Amount	Savings	Excess	Remarks
			Qty.	Rate	Amount	Qty.	Rate	Amount		Qty.	Rate	Amount	Qty.	Rate 2014-15+ T.P	Amount				
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
1	Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work,	Cum	134.71	954.72	128610.33	134.71	950.00	127974.50	0.00	0.00	950.00	0.00	0.00	0.00	0.00	0.00	127974.50		
2	Earth work in surface excavation in **hard soil** for leveling and lowering the ground manually (other than foundation of buildings, culverts, road drains and	Cum	60.00	205.20	12312.00	60.00	200.00	12000.00	700.59	75.00	200.00	15000.00	625.59	200.03	125136.00	140136.00		128136.00	
3	Earth work excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in	Cum	81.15	259.70	21074.66	81.15	250.00	20287.50	181.87	101.44	250.00	25359.00	80.43	257.93	20746.00	46105.00		25817.50	
3A	Above 1.5 Mtrs Depth Add 25% Extra		5.25	324.63	1704.31	5.25	298.00	1564.50	0.00	0.00	298.00	0.00	0.00	0.00	0.00	0.00	1564.50		
4	Providing and laying in position plain cement concrete of **mix M7.5 with OPC cement @ 180 kgs with 40mm** and down size graded granite metal coarse aggregates @ 0.85cum and fine	Cum	53.74	4757.28	255656.23	53.74	4750.00	255265.00	27.02	27.02	4750.00	128350.00	0.00	0.00	273637.00	401987.00		146722.00	
5	Providing and constructing granite / trap / basalt size stone masonry in **foundation cement mortar 1:6**, stone hammered dressed in courses not less than 20 cms high, bond stones, at two m. apart in	Cum	17.42	3765.12	65588.39	17.42	3750.00	65325.00	94.95	21.78	3750.00	81656.00	73.18	3739.49	166454.00	248110.00		182785.00	
6	Providing and constructing granite / trap / basalt size stone masonry in **basement** with **cement mortar 1:6**, edges of stone chistle dressed in courses not less than 15 cms high, bond stones at two m. apart	Cum	16.07	4458.36	71645.85	16.07	4450.00	71511.50	57.68	20.09	4450.00	89389.00	37.59	4428.01	12668.00	102057.00		30545.50	
7	Providing ruled pointing to coursed stone masonry with cement mortar 1:3, 20 mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing etc complete as	Sqm	55.80	91.16	5086.73	55.80	90.00	5022.00	209.67	69.75	90.00	6278.00	139.92	90.54	40828.00	47106.00		42084.00	

Executive Engineer
Byatarayanapura Division
Yalahanka Zone, B.B.M.P.
Bangalore-560092

Sl. No.	Description	Unit	Qty. as per Sanctioned Estimate			Qty. as per Tender			Actual executed Qty.	Qty. as per Actuals upto 125%			Qty. as per Actuals above 125%			Total Executed Amount	Savings	Excess	Remarks
			Qty.	Rate	Amount	Qty.	Rate	Amount		Qty.	Rate	Amount	Qty.	Rate 2014-15+ T.P	Amount				
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
8	Providing and laying in position plain cement concrete of **mix M15 with cement @ 240 kgs with 20mm** and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregates @ 0.459 cum, machine	Cum	5.13	5327.64	27330.79	5.13	5300.00	27189.00	14.27	6.41	5300.00	33986.00	7.86	5193.38	0.00	33986.00		6797.00	
9	Providing and laying in position **reinforced cement concrete of design mix M20 with OPC cement @ 320 kgs with 20mm and down size** graded granite metal coarse aggregates @ 0.878 cum and fine aggregates @ 0.459	Cum	27.02	5952.96	160848.98	27.02	5900.00	159418.00	12.03	12.03	5900.00	70959.00	0.00	0.00	0.00	70959.00	88459.00		
10	KSRB 4.9.2: Providing TMT steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the	Qtl	28.38	7828.10	222161.48	28.38	7800.00	221364.00	14.43	14.43	7800.00	112573.00	0.00	0.00	0.00	112573.00	108791.00		
11	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for **vertical surface** such as **walls at any thickness**, including attached pilasters, buttresses, plinth and string courses cost of all	Sqm	100.95	292.68	29546.05	100.95	250.00	25237.50	0.00	0.00	250.00	0.00	0.00	0.00	0.00	0.00	25237.50		
12	Providing and laying cement concrete using 20mm and down size granite jelly of ready mixed concrete (RMC)for R.C.C works laid in 15cms thick layers and well compacted vibrating, curing, finishing with necessary cement mortar, form works and scaffoldings to withstand	Cum	30.00	5852.52	175575.60	30.00	5800.00	174000.00	0.70	0.70	5800.00	4060.00	0.00	0.00	0.00	4060.00	169940.00		
13	**Vaccum De-watering** with vaccum pump and suction mat and compaction with skin floater clubbed with floating disc including cost of generator HOM of machinery Screed Vibratiry, Power Floater, blade and disc etc complete as	Sqm	300.00	97.20	29160.00	300.00	90.00	27000.00	0.00	0.00	90.00	0.00	0.00	0.00	0.00	0.00	27000.00		
14	Providing and constructing precast concrete solid blocks with compressive strength not les than 35 Kg/sqm with cement mortar 1:4 masonry (quoin, Jamb, closer blocks) with solid concrete blocks of size 40x20x20 cms conforming	Sqm	82.50	993.60	81972.00	82.50	950.00	78375.00	371.36	103.13	950.00	97969.00	268.24	968.56	259802.00	357771.00		279396.00	
15	1031 - Hire Charges of J.C.B Excavator including Operator and Fuel etc complete as per specifications and directions of engineer in charge of the work	Day	30.00	6720.00	201600.00	30.00	6700.00	201000.00	0.00	0.00	6700.00	0.00	0.00	0.00	0.00	0.00	201000.00		

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			Qty.	Rate	Amount	Qty.	Rate	Amount		Qty.	Rate	Amount	Qty.	Rate 2014-15+ T.P	Amount				
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
16	1023 - Hire Charges of Tractor 40 HP including Operator and Fuel etc complete as per specifications and directions of engineer in charge of the work	Day	120.00	1296.00	155520.00	120.00	1251.00	150120.00	0.00	0.00	1251.00	0.00	0.00	0.00	0.00	0.00	150120.00		
17	Engaging Causal Labours (Unskilled mazdoor Heavy) etc complete as per specifications and directions of engineer in charge of the work	Nos	1200.00	224.93	269916.00	1200.00	205.00	246000.00	0.00	0.00	205.00	0.00	0.00	0.00	0.00	0.00	246000.00		
18	Earth work excavation by manual means in hard soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after	Cum	355.10	105.84	37583.78	355.10	100.00	35510.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	35510.00		
19	Lead for Disposal of Debris shall be payable at carriage rates by Mechanical means inlcuding loading and unloading etc complete as per specifications and directions of engineer in charge of the work	Cum	355.10	73.57	26124.71	355.10	70.00	24857.00	0.00	0.00	70.00	0.00	0.00	0.00	0.00	0.00	24857.00		
								EIRL	EIRL										
20	KSRB 4.2.10 : Providing and laying in position reinforced cement concrete ofmix M20 with OPC cement @ 24kgs, with 12 mm and down size graded granite metal coarse aggregates @	Sqm							0.81				0.81	438.11	355.00	355.00		355.00	
21	KSRB 10-2: Providing and laying integral cement based waterproofing treatment including preparation of surface as required for treatment of roofs, balconies, terraces etc, consisting of following	Sqm							9.80				9.80	838.00	8212.00	8212.00		8212.00	
22	KSRB 15.3.13 : Providing 12mm thick cement plaster in single coat with cement mortar 1:3, to ceiling including rounding off corners wherever required smooth rendering, : Providing and removing	Sqm							5.32				5.32	178.76	951.00	951.00		951.00	
23	KSRB 15.3.11 :Providing 20mm thick cement plaster in single coat with cement mortar 1:4, to stone masonry including rounding off corners wherever required smooth rendering, : Providing and	Sqm							57.24				57.24	216.99	12421.00	12421.00		12421.00	
24	KSRB 15-7 : Providing lime rendering for plastering to wall and ceiling, including cost of materials, labour, curing complete as per specifications. **(P. 111 / I. 15.33 PWD SR - 2014-15).**	Sqm							62.56				62.56	20.67	1293.00	1293.00		1293.00	

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			Qty.	Rate	Amount	Qty.	Rate	Amount		Qty.	Rate	Amount	Qty.	Rate 2014-15+ T.P	Amount				
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
25	KSRB 15.3.9: Providing 18mm thick cement plaster in single coat with cement mortar 1:6, to brick masonry including rounding off corners wherever required smooth rendering, providing and	Sqm							729.30				729.30	180.83	131876.00	131876.00		131876.00	
26	KSRB 4-1.3 : Providing and laying in position plain cement concrete of **mix 1:4:8 with OPC cement @ 180 kgs with 40mm** and down size graded granite metal coarse aggregates @	Cum							0.80				0.80	4637.40	3701.00	3701.00		3701.00	
27	KSRB 14.14-5: Providing Ceramic tiles of size 15 x 15 cms 6mm thick approved make, shade and size for flooring, treads of steps and landings laid on a bed of 12mm thick, cement mortar 1:3 mix,	Sqm							5.32				5.32	865.90	4607.00	4607.00		4607.00	
28	KSRB 14.17.1: Providing skirting, dado, rises of steps with Colour glazed tiles 15x15 cms 6mm thick on 10mm thick cement plaster 1:3 and jointed with white cement slurry over rough plaster surface	Sqm							9.42				9.42	973.36	9169.00	9169.00		9169.00	
29	KSRB 4-6.2 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for flat surface such as suspended floors, **roofs**, landings, balconies and likes, thickness	Sqm							5.32				5.32	547.64	2913.00	2913.00		2913.00	
30	KSRB 4-6.10 : Providing and removing centering, shuttering, strutting, propping etc., for chajjas, corbels etc., including edges including cost of all materials, labour complete as per specifications.	Sqm							0.81				0.81	258.32	209.00	209.00		209.00	
31	KSRB 4-6.1 : Providing and **removing centering, shuttering, strutting, propping etc.,** and removal of form work for foundations, footings, bases of columns for mass concrete including cost	Sqm							39.42				39.42	226.29	8920.00	8920.00		8920.00	
32	Supply and fixing pressed steel door frames size 125x65 mm manufacture from 1.25mm thick carbon steel or imported steel strips with mitred joints of 900 for door openings and sutters made	Sqm							3.78				3.78	3616.51	13670.00	13670.00		13670.00	
33	KSRB 7.12: Providing and fixing in position anodized aluminium windows and ventilators as per approved drawings with sliding shutters using four track window frame of size 122.2x31.75mm for	Sqm							0.54				0.54	3471.85	1875.00	1875.00		1875.00	
34	KSRB 15-14.1 : Providing and applying two coats with oil bound washable distemper of approved brand and shade on wall surface including priming coat with distemper primer after thoroughly	Sqm							62.56				62.56	64.06	4008.00	4008.00		4008.00	

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			Qty.	Rate	Amount	Qty.	Rate	Amount		Qty.	Rate	Amount	Qty.	Rate 2014-15+ T.P	Amount				
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
35	Fabricating, providing and erecting in poiston of **M.S Ornamental security Grill Gate** with out hot dip using75x12mm M.S flat for alround frame work with verticals at the centre	kgs							365.00				365.00	147.39	53797.00	53797.00		53797.00	
36	KSRB 15-16.1: providing and finishing external walls in tow coats with water proof cement paint of approve brand and shade to give an even shade after thourghly brooming the surface to	Cum							729.30				729.30	77.50	56518.00	56518.00		56518.00	
37	KSRB 11-2 : Providing and fixing white vitreous china clay, water closets Orissa pattern of size 580 x 440mm with integral type footrests, 100m S or P trap, 10 litre low level, P. V. C. flushing cistern	Pan							2.00				2.00	4409.04	8818.00	8818.00		8818.00	
38	KSRB 11.8.1 : Providing and fixing white vitreous china clay, wall corner type lipped front urinal basin of size 340x410x265mm with 5 liters PVC automatic flushing cistern C.I./M.S.	Unit							2.00				2.00	2815.71	5631.00	5631.00		5631.00	
39	KSRB 11-7.2 : Providing and fixing white vitreous china clay, flat back, lipped front urinal basin of 430x260x350mm with 5 liters PVC automatic flushing cistern C.I./M.S. brackets, standard flush pipe	Unit							2.00				2.00	4072.19	8144.00	8144.00		8144.00	
40	KSRB 11.11.1 : Providing and fixing white vitreous china clay, flat back wash basin of size 630x450mm with pair of 15mm C.P brass pillar taps with C.I./M.S. brackets, 32mm C.P. brass	Unit							2.00				2.00	3773.57	7547.00	7547.00		7547.00	
41	KSRB :13-8.3 : Providing and fixing to wall, ceiling and floor, low density poluethylene pipes kgs/sq.cm working pressure **32mm** outside diameter, compression type fittings, wall clips,	Rmtr							40.00				40.00	185.99	7440.00	7440.00		7440.00	
42	Supppying water storage tanks made of virgin polymer (LLDPE) with two layers outer black of blue and inner white layer of approved quality and make, conforming to ISI / ISO / SSI specifications **No. 255 / Item No. 37.58**	L							500.00				500.00	6.20	3100.00	3100.00		3100.00	
43	KSRB 13-6.1.3 : Providing and fixing in position brass bib cock of approved quality 25 mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications Specification NO	Each							12.00				12.00	276.92	3323.00	3323.00		3323.00	

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			Qty.	Rate	Amount	Qty.	Rate	Amount		Qty.	Rate	Amount	Qty.	Rate 2014-15+ T.P	Amount				
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
44	KSRB 8.6-7: Providing and fixing in wall surface 4 kg/sq.cm H.D.P.E. rain down water pipes 90 mm outer dia approved make and brand with necessary specials like shoes bends and offsets fixed with	m							12.00				12.00	438.11	5257.00	5257.00		5257.00	
	Sub Total				1979017.87														
	QC Charges				19790.18														
	Miscelaneous and unforgen charges	LS			1192.00														
	Total				**2000000.00**			**1929020.50**				**665579.00**			**899271.00**	**1928605.00**	**1206453.50**	**842283.00**	

~~0.02~~ Below
0.0002

SUMMARY:

1. **Estimated Cost : Rs. 20.00 Lakhs**
2. **Tender Cost : Rs. 19.29 Lakhs**
3. **Executed Cost: Rs. 19.28 Lakhs**
4. **During execution as per requirement and site condition, the executed Qty. costs Rs. 19.28 Lakhs which is 0.02% BELOW the Tender cost. The proposal may kindly be approved.**

Assistant Engineer

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Vidyaranyapura Sub Division

Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division, Bangalore - 92